

STANDARD FORM NO. 64

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**Office Memorandum • UNITED STATES GOVERNMENT**

SPM 6-512

**TO :** Chief, Communications Engineering Division

**DATE:** 17 February 1956

**FROM :** Chief, Supplemental Programs Division, OC

**SUBJECT:** Completion of  Marine Collection System

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1. It is requested that your Division effect the necessary modifications to the  contract to afford the following additions to the equipment now under development.

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A. A Control Panel - To accept the video and audio outputs of the receiving chassis and allow selective patching of the video channels to a pulse analyzer and to allow selective patching of the audio channels to an audio recorder. Further this unit should provide suitable terminals to normal all combined audio channels to a multi-track recorder.

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B. Time Signal Generator - A generator is required to supply a reference tone of 1 kc plus or minus .001% as well as a time code which indicates clock time. Provisions should be made for 3 remote clocks working from a common frequency source so that all personnel engaged in navigation or collection may enjoy a common time. The reference tone and time code are to be recorded on one track of the multi-track recorder.

C. Automatic Start - A device to automatically start a recorder upon the receipt of a signal on any channel is required. This provision is felt necessary so that unattended operation of the video system is possible.

2. It is recommended that the following equipment be procured and supplied GFE:

A. Ampex 800 Series, 14 Track Audio Recorder.

B. Pulse Analyzer RDJ-1 (modified to provide a head phone output of the Beat frequency between the local reference oscillator and the incoming pulse. This modification to be made by the contractor.)

C. Camera KD-2 - Suitable mounting brackets for attaching the KD-2 to the RDJ-1 should be provided by the contractor.

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3. In addition to the components above, one base play back unit is required as well as any unique system test or time "read out" device (if necessary).



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Distribution

Orig & 1 - Addressee

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